

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 58-222382

10/040,249 : B1

(43)Date of publication of application : 24.12.1983

(51)Int.Cl.

G06K 9/36  
H04N 1/04

(21)Application number : 57-105176

(71)Applicant : RICOH CO LTD

(22)Date of filing : 18.06.1982

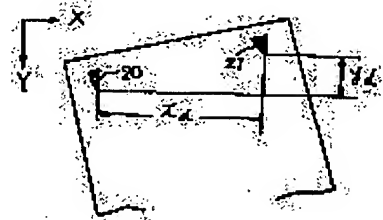
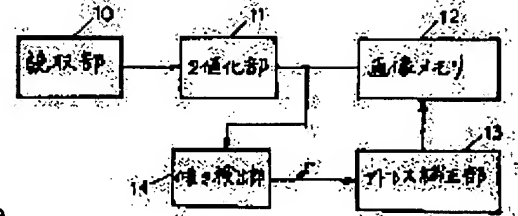
(72)Inventor : MAEDA MAMORU

## (54) CORRECTING SYSTEM FOR INCLINATION OF PICTURE

### (57)Abstract:

**PURPOSE:** To attain correction of inclination so as not to produce discontinuous picture, by storing picture element data of an input picture to a memory in the order of input and correcting the memory storage address with the data of an inclination detecting means so as to cancel the inclination of the input picture.

**CONSTITUTION:** A reading section 10 scans an original, separates the contrast information on the original into the unit of picture elements for reading them, and inputs the result to a binary-coding section 11 as an analog picture signal. The picture element data binary-coded at the binary-coding section 11 is stored successively to a picture memory 12 serially and the stored address is designated as an X address corresponding to the horizontal position of the picture element and a Y address corresponding to the vertical position. The inclination detecting section 14 observes the picture data outputted from the binary-coding section 11 to detect a distance  $x_d$  in the direction X of the timing marks 20, 21 and a distance  $y_d$  in the direction Y so as to obtain the amount of inclination  $\delta = y_d / y_x$ . The amount of inclination  $\delta$  is transmitted to an address correcting section 13 as the correction value of the Y address and since the correcting section 13 corrects the Y address in the unit of picture elements so as to cancel the inclination of the input picture, the continuity of the input picture is not lost.



## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japan Patent Office